



Job Description

Founded in 1990, Diamonex® (a division of BEST Engineered Surface Technologies) has a 26,000-square-foot facility in Allentown, Pennsylvania. Diamonex® provides unique coating solutions to improve performance and extend component life in diverse industries and challenging operating environments. With over 46 patents generated by our R&D team, our goal is to continually enhance the quality and service we provide our customers.

Diamonex® has been developing diamond-like carbon (DLC) and polycrystalline diamond coating (CVD) technologies since 1990 utilizing Plasma Enhanced Chemical Vapor Deposition (PECVD). In addition to coatings, Diamonex® has developed unique ion source technology designed specifically for the deposition of high-quality DLC and DLC-like nanocomposite films. Our radio frequency (RF) DLC process delivers uniform conformal coatings on complex geometries, while our ion-beam technology provides high-quality coatings more suitable for line-of-sight process geometries.

Become a part of a hi-tech team, supporting the medical, aerospace, and semiconductor industries. We are looking for a Chamber Repair Technician to add to our growing team. The Chamber Repair Technician is responsible for the inspection, troubleshooting, repair, and preventative maintenance of industrial chambers and related production equipment. This role ensures chambers operate safely, efficiently, and within required process specifications to support production goals.

Responsibilities:

- Diagnose mechanical, electrical, pneumatic, and control system issues in production chambers
- Perform repairs on vacuum chambers, coating chambers, heat treat chambers, environmental test chambers, or similar equipment
- Replace components such as pumps, seals, valves, heaters, sensors, and wiring
- Perform leak detection and sealing
- Conduct preventative maintenance according to schedule
- Interpret schematics, technical manuals, and wiring diagrams
- Assist with chamber rebuilds and upgrades
- Calibrate instrumentation and monitoring systems
- Document repairs and maintenance activities in the maintenance management system
- Ensure compliance with safety procedures and lockout/tagout (LOTO) requirements
- Coordinate with production to minimize downtime
- Maintain inventory of repair parts and tools
- Exemplify and embrace our BEST values, including pride in workmanship
- All other duties as assigned

Qualifications:

- U.S. Citizen or Permanent Residency is required due to ITAR regulations
- High school diploma or GED required; technical certification preferred
- 3+ years of industrial maintenance or chamber repair experience
- Strong mechanical aptitude
- Ability to read electrical and mechanical schematics
- Experience with vacuum systems, pumps, PLC troubleshooting, or industrial controls preferred





- Ability to use diagnostic tools and hand/power tools
- Basic computer skills for documentation
- The ability to conduct all tasks safely and efficiently, complying with all local, state, and federal EHS regulations
- The ability to work with a diverse culture to help ways to improve processes, quality, and safety
- The ability to exemplify and embrace our culture of quality, customer service, safety, and team

Preferred Qualifications

- Experience in coating, plating, heat treating, semiconductor, or environmental testing industries
- PLC troubleshooting experience
- OSHA safety training
- Welding and fabrication skills

Physical Requirements

- Ability to lift up to 50 lbs.
- Frequent standing, bending, kneeling, and climbing
- Ability to work in confined spaces
- Ability to work around industrial equipment and moderate noise levels

Work Environment

- Manufacturing/production environment
- Exposure to heat, oils, chemicals, and moving mechanical parts
- May require occasional overtime or weekend work to support production

Why BEST:

- Growing company
- Competitive compensation plan with weekly pay
- Robust and reasonably affordable benefits package
- Generous paid time off plan with 9 company-paid holidays
- 401(k) matching with immediate 100% vesting on employer contributions
- \$100 expense reimbursement for steel-toed shoes for safety
- 100% company-paid basic life, AD&D, short and long-term disability insurance
- Opportunity for growth and professional development

We are an Equal Opportunity Employer committed to diversity in the workplace. All applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, age, national origin, disability, protected veteran status, gender identity, or any other factor protected by applicable federal, state, or local laws.

